

Message Text

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ORIGIN EB-07

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DRAFTED BY DEFENSE:LJAMES:ERS

APPROVED BY EB/ITP/EWT:RWPRACHT

COMMERCE-JBOIDOCK

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FM SECSTATE WASHDC

TO USMISSION OECD PARIS

C O N F I D E N T I A L STATE 102484

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW: IL 1565, COMPUTERS

REF: OECD PARIS 10781

FOLLOWING ARE DEFINITIONS REQUESTED IN REFTEL AS PROVIDED BY DOD. (BOIDOCK UNABLE VERIFY BUT BELIEVES THEY ARE CORRECT.) THE SOURCE OF THE DEFINITION IS IDENTIFIED WITHIN THE BRACKETS.

1) CIRCUIT SWITCHING - A METHOD OF COMMUNICATIONS IN WHICH AN ELECTRICAL CONNECTION BETWEEN CALLING AND CALLED STATIONS IS ESTABLISHED ON DEMAND FOR EXCLUSIVE USE OF THE CIRCUIT UNTIL THE CONNECTION IS RELEASED. (ITU)

2) TELEPHONE CIRCUIT SWITCHING - SWITCHING OF TELEPHONE COMMUNICATIONS, EITHER IN AN ANALOG OR DIGITAL MODE, BY CIRCUIT SWITCHING TECHNIQUES. (DEVELOPED FROM OTHER
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DEFINITIONS.)

3) MESSAGE SWITCHING - THE METHODS EMPLOYED TO TRANSFER A MESSAGE FROM SENDER TO RECEIVER THROUGH A DATA NETWORK WHICH USES SWITCHING EQUIPMENT. (DEVELOPED FROM OTHER DEFINITIONS.)

4) STORE AND FORWARD MESSAGE SWITCHING - THE METHOD EMPLOYED IN WHICH A MESSAGE IS ACCEPTED FROM THE SENDER WHENEVER IT IS TRANSMITTED, HELD IN STORAGE AND FORWARDED TO THE RECEIVER IN ACCORDANCE WITH THE RECEIVER'S CAPABILITY TO RECEIVE MESSAGES IN THE ORDER OF PRIORITY PLACED UPON THE MESSAGE BY THE INITIATOR (SENDER). (MODIFIED MILSTD 188-300.)

5) PACKET - A GROUP OF BINARY DIGITS, INCLUDING DATA AND CONTROL ELEMENTS WHICH CAN BE SWITCHED AND TRANSMITTED AS A COMPOSITE WHOLE. THE DATA AND CONTROL ELEMENTS AND POSSIBLE ERROR CONTROL INFORMATION ARE ARRANGED IN A SPECIFIC FORMAT. (ITU)

6) PACKET SWITCHING - A DATA TRANSMISSION PROCESS, UTILIZING ADDRESSED PACKETS, WHEREBY A CHANNEL IS OCCUPIED ONLY FOR THE DURATION OF THE PACKET; NOTE IN CERTAIN DATA NETWORKS THE DATA MAY BE FORMATTED INTO A NUMBER OF PACKETS (EITHER BY THE DATA TERMINAL EQUIPMENT OR BY EQUIPMENT WITHIN THE DATA NETWORK) FOR TRANSMISSION AND MULTIPLEXING PURPOSES. (ITU)

7) DATA COMMUNICATIONS SWITCHING - SWITCHING THE OUTPUT OF DATA TERMINAL EQUIPMENT. DATA MAY BE SWITCHED BY THE FOLLOWING TECHNIQUES:

(A) CIRCUIT SWITCHING

(B) STORE AND FORWARD SWITCHING

(C) PACKET SWITCHING

(DEVELOPED FROM OTHER DEFINITIONS.) KISSINGER

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